

CHAPTER 45 NEW INSTALLATIONS

[Prior to 9/24/86, Labor, Bureau of [530]]

347—72.1(89A) Purpose and scope. This chapter contains rules of safety standards covering the design, construction, installation, operation, inspection, testing, maintenance, alteration and repair of facilities. As used in this chapter, ANSI A17.1 and ANSI C1 shall mean ANSI A17.1 (1971) and ANSI C1-1975 for all facilities installed from January 1, 1975, through December 31, 1982, and ANSI A17.1 (1981) and ANSI C1-1981 for all facilities installed from January 1, 1983, through December 31, 1992, and ANSI A17.1 (1990) and ANSI/NFPA 70 (1990) for all facilities installed after January 1, 1993. Any installation which is in compliance with the latest supplements to ANSI A17.1 shall be considered to be in compliance with this chapter. As used in this rule, the word “installed” refers to the date of written contractual agreement to install a facility.

347—72.2(89A) Definitions. The definitions and interpretations contained in section 3 of the introduction of the American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, shall be applicable as used in this chapter to the extent that they do not conflict with the definitions contained in Iowa Code chapter 89A.

347—72.3(89A) Hoistways, hoistway enclosures and related construction for electric elevators. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part I, sections 100-112, are adopted by reference. When ANSI C1 (NFPA 70) is used in part II it shall be changed to the ANSI C1 (NFPA 70) required by rule 347—72.1(89A).

347—72.4(89A) Machinery and equipment for electric elevators. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part II, sections 200-212, are adopted by reference. When ANSI C1 (NFPA 70) is used in part II it shall be changed to the ANSI C1 (NFPA 70) required by rule 347—72.1(89A).

347—72.5(89A) Hydraulic elevators. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part III, sections 300-307, are adopted by reference. On hydraulic elevator installations, a scavenger pump or other acceptable means shall be provided, designed to carry excess oil from the cylinder packing gland back to the oil storage tank of the elevator. When ANSI C1 (NFPA 70) is used in part III it shall be changed to the ANSI C1 (NFPA 70) required by rule 347—72.1(89A).

347—72.6(89A) Power sidewalk elevators. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part IV, sections 400-402, are adopted by reference. When ANSI C1 (NFPA 70) is used in part IV it shall be changed to the ANSI C1 (NFPA 70) required by rule 347—72.1(89A).

347—72.7(89A) Hand elevators. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part VI, sections 600-610, are adopted by reference. When ANSI C1 (NFPA 70) is used in part VI it shall be changed to the ANSI C1 (NFPA 70) required by rule 347—72.1(89A).

347—72.8(89A) Hand and power dumbwaiters. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part VII, sections 700-709, are adopted by reference. When ANSI C1 (NFPA 70) is used in part VII it shall be changed to the ANSI C1 (NFPA 70) required by rule 347—72.1(89A).

347—72.9(89A) Elevators. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part VIII, sections 800-806, are adopted by reference. When ANSI C1 (NFPA 70) is used in part VIII it shall be changed to the ANSI C1 (NFPA 70) required by rule 347—72.1(89A).

347—72.10(89A) Moving walks. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part IX, sections 900-903, are adopted by reference. When ANSI C1 (NFPA 70) is used in part IX it shall be changed to the ANSI C1 (NFPA 70) required by rule 347—72.1(89A).

347—72.11(89A) Acceptance and periodic tests and inspections of elevators, dumbwaiters, escalators and moving walks. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part X, sections 1000-1002, are adopted by reference.

347—72.12(89A) Engineering and type tests. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part XI, sections 1100-1103, are adopted by reference.

347—72.13(89A) Alterations, repairs and replacements. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part XII, sections 1200-1202, thereto are adopted by reference.

347—72.14(89A) Design data and formulas. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, part XIII, sections 1300-1308, are adopted by reference.

347—72.15(89A) Power-operated special purpose elevators. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, (1981), part XV, sections 1500-1502, are adopted by reference for all power-operated special purpose elevators installed after January 1, 1983.

347—72.16(89A) Inclined and vertical wheelchair lifts. The provisions contained in American National Standard Safety Code for Inclined Stairway Chair Lifts and Inclined and Vertical Wheelchair Lifts, ANSI A17.1 (1990), part XX, sections 2000 and 2001 and ANSI/NFPA 70 (1990), are adopted by reference for all inclined and vertical wheelchair lifts installed after January 1, 1993.

347—72.17(89A) Hand-powered special purpose elevators. Hand-powered special purpose elevators shall not be installed after January 1, 1983.

347—72.18(89A) Handicapped applications. All passenger elevators installed between January 1, 1975, and December 31, 1982, which are available and intended for public use shall be usable by the physically handicapped. All passenger elevators shall have control buttons with identifying features for the benefit of the blind and shall allow for wheelchair traffic. All passenger elevators installed on or after January 1, 1983, which are accessible to the general public shall comply with ANSI A117.1-1980, section 4.10.1-4.10.14.

347—72.19(89A) Handicapped restricted use elevators. This rule permits the installation of elevators not meeting the requirements of rules 347—72.3(89A) and 347—72.4(89A) where the elevators are only used to transport a restricted number of handicapped persons. These rules only apply to locations such as churches, schools, fraternal organizations and similar locations where other elevators do

not exist. Operating permits will only be issued where the owner can indicate that the elevator would provide a benefit to handicapped individuals and where the failure to install the restricted use elevator would deprive a known group of handicapped individuals of the use of the building. The provisions contained in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks, ANSI A17.1, 1981, part V, are adopted by reference for all handicapped restricted use elevators installed after January 1, 1983. Additionally, the elevator installed under this rule shall comply with the following limitations:

1. The elevator shall only be used by a maximum of one handicapped person and one attendant at a time. Where a handicapped individual cannot operate the elevator in a manner which will ensure access to all operating controls and safety features, an attendant shall accompany the handicapped individual.

2. The elevator shall be key operated and shall not be capable of being called by buttons or switches but may be called by a key operator.

3. Keys to operate the elevator shall be in the control of the handicapped person, the attendant or in control of persons in positions of responsibility at the location.

4. A list shall be maintained at the location indicating the persons holding keys for the operation of the elevator.

5. Each landing and the elevator car shall be posted to indicate that the use of the elevator is only for the use of handicapped persons.

6. The travel distance of the elevator shall not exceed 50 feet.

These rules are intended to implement Iowa Code chapter 89A.

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